

CCR Third Annual Fellows and Young Investigators Retreat
February 12 ~ 14, 2003, Princess Royale Hotel in Ocean City, MD

PROGRAM

Wednesday, February 12, 2003

- 4:00 p.m. **Registration** (*Palmetto Ballroom Foyer*)
- 5:30 p.m. – 7:00 p.m. **Dinner and Welcome** (*The Atrium*)
- 7:00 p.m. – 7:30 p.m. **Opening Remarks – Plenary Session I** (*Palmetto Ballroom*)
Michael M. Gottesman, M.D., Laboratory of Cell Biology, CCR, NCI
- 7:30 p.m. – 9:00 p.m. **Science Editors Panel – Publication Process and Career Path**
Angela Eggleston, Ph.D., Cell
Guy Riddihough, Ph.D., Science
Philip L. Bernstein, Ph.D., Journal of Experimental Medicine
Jeffrey M. Drazen, M.D., New England Journal of Medicine
- 9:00 p.m. – 10:30 p.m. **Informal Mixer – Poster Session I Setup** (*Caribbean Hall*)
Mentored Lunch Sign Up (*Registration Desk*)

Thursday, February 13, 2003

- 7:00 a.m. – 8:00 a.m. **Continental Breakfast** (*Palmetto Ballroom Foyer*)
- 8:00 a.m. – 9:00 a.m. **Keynote Speaker – Plenary Session II** (*Palmetto Ballroom*)
Steven A. Rosenberg, M.D., Ph.D., Surgery Branch, CCR, NCI
- 9:30 a.m. – 10:00 a.m. **CCR-FYI Overview**
Kathleen Dohoney, Ph.D., Chair, Fellow and Young Investigators Steering Committee
Office of Training and Education, CCR
Jonathan Wiest, Ph.D., Associate Director
National Postdoc Association
Arti Patel, Ph.D., M.P.H.
- 9:30 a.m. – 9:45 a.m. **Break**
- 9:45 a.m. – 11:15 a.m. **Concurrent Oral Presentations I**
Pharmacology and Chemistry (*Cayman Room*)
Elisabeth D. Martinez, Laboratory of Receptor Biology and Gene Expression, CCR, NCI
A Real Time Sensing Assay for Estrogen Receptor Ligands
Olivier Sordet, Laboratory of Molecular Pharmacology, CCR, NCI
The Topoisomerase I Inhibitor Camptothecin Induces the Phosphorylation of RNA Polymerase II Large Subunit
Zuben E. Sauna, Laboratory of Cell Biology, CCR, NCI
The Transport Cycle of P-Glycoprotein: Role of Highly Conserved Glutamate Residues
Lixin Wang, Laboratory of Molecular Pharmacology, CCR, NCI
Identification of Critical Replicator Elements within the Human β -Globin Replication Initiation Region
Scott R. Budihas, HIV Drug Resistance Program, CCR, NCI
Screening for Inhibitors of HIV-1 RNase H Activity

Carcinogenesis and Cancer Prevention (*Dominica Room*)

Arindam Dhar, *Basic Research Laboratory, CCR, NCI-Frederick*

Nitric Oxide Prevents Tumor Promotion and Suppresses Tumor Phenotype

Dina Paltoo, *Cancer Prevention Studies Branch, CCR, NCI*

IGF-2 Gene Polymorphisms and Polyp Status among Women

Sarah M. Umphress, *Cell and Cancer Biology Branch, CCR, NCI*

Increased Expression of C/EBP- α and SP-A in a TGF- β 1 and K-ras Mutated Mouse Model of Lung Cancer

Yun-Ling Zheng, *Laboratory of Human Carcinogenesis, CCR, NCI*

Gamma-Radiation-Induced G2/M Arrest as a Biomarker for Lung Cancer Risk in African-Americans: A Case-Control Study

Ye Zhou, *Laboratory of Molecular Immunoregulation, CCR, NCI*

Activation of Formylpeptide Receptor (FPR) in Malignant Astrocytoma Cells Promotes the Production of Vascular Endothelial Growth Factor

Immunobiology (*Eleuthera Room*)

Jean-Philippe Herbeuval, *Experimental Immunology Branch, CCR, NCI*

Non-Infectious HIV-1 Particles and AIDS Pathogenesis

Sheila Caldwell, *Laboratory of Tumor Immunology and Biology, CCR, NCI*

The Fas/Fas Ligand Pathways Is Important for Optimal Tumor Regression by Antigen-Specific CTL in Adoptive Immunotherapy of Experimental Lung Metastasis

Kebin Liu, *Laboratory of Tumor Immunology and Biology, CCR, NCI*

Regulation of ICSBP and Caspase-1 in the Sensitization of Human Colon Carcinoma Cells to Fas-Mediated Apoptosis by IFN- γ

Joanne Lumsden, *Experimental Immunology Branch, CCR, NCI*

Differential Requirements for Expression of B7 and CD40 on B Cells for T-Dependent Antibody Responses *In Vivo*

Maria Cecilia Rodriguez-Galan, *Laboratory of Experimental Immunology, CCR, NCI-Frederick*

Thymocytes Can Produce Th1/Th2 Cytokines after In Vitro Stimulation with Interleukin-18 (IL-18) in Combination with IL-2 or IL-12

Molecular and Cellular Biology (*Palmetto Ballroom*)

Howard Doong, *Laboratory of Pathology, CCR, NCI*

Post Ubiquitination Regulation by CAIR-1/BAG-3

Theresa M. Geiman, *Laboratory of Receptor Biology and Gene Expression, CCR, NCI*

Purification and Characterization of Novel Mammalian DNA Methyltransferase 3B (DNMT3B) Protein Complexes Linking Multiple Types of Epigenetic Modifiers

Jurgen Heymann, *Laboratory of Biochemistry, CCR, NCI*

Three-Dimensional Structure of a Bacterial Membrane Transporter

A-Mei Huang, *Regulation of Cell Growth Laboratory, CCR, NCI-Frederick*

The C/EBP δ Transcription Factor Is a Tumor Suppressor Implicated in the Maintenance of Chromosome Stability

Sagar Sengupta, *Laboratory of Human Carcinogenesis, CCR, NCI*

BLM Helicase-Dependent Transport of p53 to Sites of Stalled DNA Replication Forks Modulates Homologous Recombination

11:15 a.m. – 12:30 p.m.

Mentored Lunch (*The Atrium*)

Sign-up required for mentored table (*Registration Desk*)

12:30 p.m. – 2:00 pm

Workshops (Concurrent)

Immigration/Visa (*Eleuthera Room*)

Deborah Fountain, B.S., *NCI Foreign Liaison, International Services Branch*

Science Careers (*Palmetto Ballroom*)

Pradeep Ghosh, Ph.D., *Office of Technology Transfer and Planning, NIH*

Julie A. Schneider, Ph.D., *AAAS Government Policy Fellow, NCI*

Laurel Haak, Ph.D., *Editor, Postdoc Network, AAAS*

Russ Fazio, Ph.D., *Montgomery County Public Schools*

*Raymond Harris, Sc.D, Dmed., Forensic Science Program, Prince George's
Community College*

- 2:00 p.m. – 2:15 p.m. **Break**
- 2:15 p.m. – 4:30 p.m. **Poster Session I (Caribbean Hall)**
Genomics, Proteomics, and Bioinformatics
Cancer Models and Genetics
Clinical and Experimental Therapeutics
Signal Transduction and Gene Transcription
- 4:30 p.m. – 6:00 p.m. **Keynote Speaker – Plenary Session III (Palmetto Ballroom)**
*Keith Yamamoto, Ph.D., Professor and Chairman, Cellular and Molecular
Pharmacology, University of California, San Francisco*
- 6:00 p.m. – 7:00 p.m. **Dinner (The Atrium)**
Sign-up for Friday Mentored Lunch (Registration Desk)
- 7:30 p.m. – 8:30 p.m. **Women and Minorities Workshop – Plenary Session IV (Palmetto Ballroom)**
Grace Yeh, Ph.D., Basic Research Laboratory, CCR, NCI
Joan P. Schwartz, Ph.D., Office of Intramural Research, OD, NIH
Elise Kohn, M.D., Laboratory of Pathology, CCR, NCI
Yolanda D. Mock, Ph.D., National Institute on Aging
- 9:00 p.m. **Poster Session II Set-Up (Caribbean Hall)**

Friday, February 14, 2003

- 7:00 a.m. – 8:00 a.m. **Breakfast (Palmetto Ballroom Foyer)**
- 8:00 a.m. – 8:30 a.m. **Overview from the Director – Plenary Session V (Palmetto Ballroom)**
J. Carl Barrett, Ph.D., Director, Center for Cancer Research, NCI
- 8:30 a.m. – 9:30 a.m. **Keynote Speaker**
Ronald D.G. McKay, Ph.D., Laboratory of Molecular Biology, NINDS
- 9:30 a.m. – 10:00 a.m. **Break**
- 10:00 a.m. – 11:30 a.m. **Concurrent Oral Presentations II**
Genomics, Proteomics, and Bioinformatics (Eleuthera Room)
Mamuka Kvaratskhelia, HIV Drug Resistance Program, CCR, NCI
Novel Approaches for Rapid Structural Analysis of Drug-Protein and Nucleic Acid-Protein Interactions in HIV
Wafa Kammouni, Laboratory of Comparative Carcinogenesis, CCR, NCI
Identification of Biomarkers in Lung Adenocarcinoma Cells by Surface-Enhanced Laser Desorption Ionization-Time-of-Flight Mass Spectrometric Assay
Angela M. Patton, Laboratory of Pathology, CCR, NCI
Characterization of Proteomic Profiling through Angiogenesis Models
Jason Phan, Macromolecular Crystallography Laboratory, CCR, NCI
Structural and Mechanistic Studies of the *Yersinia pestis* Protein Tyrosine Phosphatase
Lixin Sun, Neuro-Oncology Branch, CCR, NCI
Gene Expression Profiling of Brain Injury by Combined Suppression Subtractive Hybridization (SSH) and cDNA Microarray Analysis

Cancer Models and Genetics (*Dominica Room*)

Wenbin Ma, *Laboratory of Immunobiology, CCR, NCI*

Induction of Hepatic Hemangiomas in a Mouse Model by Tamoxifen-Inducible Cre Recombinase-Mediated VHL Inactivation

Osarenoma Olomu, *Pediatric Oncology Branch, CCR, NCI*

Dependence of Osteosarcoma Metastasis on Ezrin, a Membrane-Cytoskeleton Linker Protein

Binwu Tang, *Laboratory of Cell Regulation and Carcinogenesis, CCR, NCI*

TGF- β Switches from Tumor Suppressor to Pro-Oncogenic Factor During Breast Cancer Progression

Santiago Silva, *Laboratory of Genetics, CCR, NCI*

Bcl-2 and IL-6 Accelerate C-myc-Driven Plasma Cell Tumor Development in Mice

Vijayachandra Kinnimulki, *Laboratory of Cellular Carcinogenesis and Tumor Promotion, CCR, NCI*

Smad3 Regulates Senescence and Malignant Conversion in a Mouse Skin Carcinogenesis Model

Clinical and Experimental Therapeutics (*Cayman Room*)

Sylvia S.W. Ng, *Cancer Therapeutics Branch, CCR, NCI*

Antiangiogenic Activity of N-Substituted and Tetrafluorinated Thalidomide Analogues

Hasan Zeytin, *Laboratory of Tumor Immunology and Biology, CCR, NCI*

Chemoimmunoprevention of Spontaneously Arising Intestinal Tumors in Mice Following the Combined Administration of Celecoxib and a Tumor Vaccine

Ai-Min Hui, *Neuro-Oncology Branch, CCR, NCI at National Institute of Neurological Disorders and Stroke, NIH*

Involvement of ERR γ in SERM-Induced Apoptosis in ER Negative Glioma Cells

Claudia M. Palena, *Laboratory of Tumor Immunology and Biology, CCR, NCI*

Enhanced Activation of Antigen-Specific T Cells via Recombinant Avipox Vector-Mediated Expression of Three Costimulatory Molecules (B7-1, ICAM-1, and LFA-3) in Human B Cells

Hua Zhang, *Pediatric Oncology Branch, CCR, NCI*

Tumor Expression of 4-1BB Ligand: Sustenance for Tumor-Lytic CD8⁺ T Cells?

Signal Transduction and Gene Transcription (*Palmetto Ballroom*)

Fedor Kouzine, *Laboratory of Pathology, CCR, NCI*

DNA Supercoiling during Transcription

Markey C. McNutt, *Laboratory of Receptor Biology and Gene Expression, CCR, NCI*

Dynamic Profiling of Transcription: An Integrated Bioinformatics Approach to Gene Regulation

Idalia Montano, *Laboratory of Receptor Biology and Gene Expression, CCR, NCI*

Understanding Signal Transduction Integration through Kinetic Analysis of Promoter Occupancy

Thangaraju Muthusamy, *Regulation of Cell Growth Laboratory, CCR, NCI-Frederick*

The Transcription Factor C/EBP δ Induces Cell Death in MCF7 Human Breast Cancer Cells

Youping Sun, *Basic Research Laboratory, CCR, NCI*

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11:30 a.m. – 12:30 p.m.

Mentored Lunch (*The Atrium*)

Sign-up required for mentored table

12:30 p.m. – 2:30 p.m.

Poster Session II (*Caribbean Hall*)

Pharmacology and Chemistry

Carcinogenesis and Cancer Prevention

Immunology

Molecular and Cellular Biology

2:30 p.m. – 3:00 p.m.

Awards and Closing – Closing Plenary Session (*Palmetto Ballroom*)

**2003 CCR Fellows and Young Investigators Retreat
Travel Award Winners**

Congratulations!

Eight \$1,000 Travel Awards

Sponsored by the CCR Office of the Director

Outstanding Oral Presentations

Sylvia Ng
Osarenoma Olomu
Sagar Sengupta
Ye Zhou

Outstanding Poster Presentations

Yehudit Birger
Melissa Maderia
Keith Marin
Satinder Rawat